

PATENT COOPERATION TREATY

PCT

NOTIFICATION OF ELECTION

(PCT Rule 61.2)

From the INTERNATIONAL BUREAU

To:

Commissioner
US Department of Commerce
United States Patent and Trademark
Office, PCT
2011 South Clark Place Room
CP2/5C24
Arlington, VA 22202
ETATS-UNIS D'AMERIQUE
in its capacity as elected Office

Date of mailing (day/month/year) 08 March 2001 (08.03.01)	
International application No. PCT/EP00/06420	Applicant's or agent's file reference HF/2-22049/A
International filing date (day/month/year) 06 July 2000 (06.07.00)	Priority date (day/month/year) 14 July 1999 (14.07.99)
Applicant BACHMANN, Frank et al	

1. The designated Office is hereby notified of its election made:

☒ in the demand filed with the International Preliminary Examining Authority on:
25 January 2001 (25.01.01)

☐ in a notice effecting later election filed with the International Bureau on:

2. The election ☒ was
☐ was not

made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No.: (41-22) 740.14.35	Authorized officer C. Cupello Telephone No.: (41-22) 338.83.38
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PATENT COOPERATION TREATY ...

PCT

NOTIFICATION OF THE RECORDING
OF A CHANGE(PCT Rule 92bis.1 and
Administrative Instructions, Section 422)

From the INTERNATIONAL BUREAU

To:

CIBA SPECIALTY CHEMICALS HOLDING
INC.
Patentabteilung
Klybeckstrasse 141
CH-4057 Basel
SUISSE

Date of mailing (day/month/year) 10 January 2002 (10.01.02)	IMPORTANT NOTIFICATION
Applicant's or agent's file reference HF/5-22049/A	
International application No. PCT/EP00/06420	International filing date (day/month/year) 06 July 2000 (06.07.00)

1. The following indications appeared on record concerning:

☒ the applicant ☒ the inventor ☐ the agent ☐ the common representative

Name and Address

DBALY, Helena
Ackerstrasse 47
CH-4057 Basel
Switzerland

State of Nationality

CH

State of Residence

CH

Telephone No.

Facsimile No.

Teleprinter No.

2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:

☐ the person ☐ the name ☒ the address ☐ the nationality ☐ the residence

Name and Address

DBALY, Helena
Stettbrunnenweg 92
CH-4132 Muttenz
Switzerland

State of Nationality

State of Residence

Telephone No.

Facsimile No.

Teleprinter No.

3. Further observations, if necessary:

4. A copy of this notification has been sent to:

<input checked="" type="checkbox"/> the receiving Office	<input type="checkbox"/> the designated Offices concerned
<input type="checkbox"/> the International Searching Authority	<input checked="" type="checkbox"/> the elected Offices concerned
<input type="checkbox"/> the International Preliminary Examining Authority	<input type="checkbox"/> other:

The International Bureau of WIPO
34, chemin des Colombettes
1211 Geneva 20, Switzerland

Facsimile No.: (41-22) 740.14.35

Authorized officer

Jaime LEITAO

Telephone No.: (41-22) 338.83.38

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference HF/2-22049/A	<div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">FOR FURTHER ACTION</div> <div style="font-size: small;">see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.</div> </div>	
International application No. PCT/EP 00/ 06420	International filing date (day/month/year) 06/07/2000	(Earliest) Priority Date (day/month/year) 14/07/1999
Applicant CIBA SPECIALTY CHEMICALS HOLDING INC.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of Invention is lacking** (see Box II).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No. _____

☐ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

☐ None of the figures.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 00/06420

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C11D3/395 C11D3/16 C07C251/24 C11D3/39

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C11D C07C D06L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, CHEM ABS Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	CHEMICAL ABSTRACTS, vol. 130, no. 15, 1999 Columbus, Ohio, US; abstract no. 198180, OKANO ET AL: "Granular bleaching detergent compositions" XP002150052	1-5, 7-10, 12-20
A X	abstract & JP 11 050096 A (LION CORP) 23 February 1999 (1999-02-23) examples 20,24 --- -/--	6,11,21 1-5, 7-10, 12-20

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the international search

13 October 2000

Date of mailing of the international search report

30/10/2000

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Richards, M

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 00/06420

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	CHANDRA S ET AL: "Mono- and Tetranuclear Manganese (III) Complexes of Tripodal Tris[2-(salicylideneamino)ethyl]amines" JOURNAL OF THE CHEMICAL SOCIETY, DALTON TRANSACTIONS, GB, CHEMICAL SOCIETY. LETCHWORTH, vol. 6, no. 6, 1993, pages 863-869, XP002125706 ISSN: 0300-9246 cited in the application page 863	8,9
X	--- CARAVAN P ET AL: "Potentiometric, calorimetric, and solution NMR Studies of a tridentate Ligand..." J AMER CHEM SOC, vol. 117, no. 45, 1995, pages 11230-11238, XP002150049 page 11231	9
X	--- LIU S ET AL: "Synthesis and characterization of Lanthanide [Ln(L)] ₂ complexes of N4O3 amine phenol ligands..." J AMER CHEM SOC, vol. 114, 1992, pages 6081-6087, XP002150050 page 6084	9
X	--- RAMESH J ET AL: "Vanadium(III) complexes..." J CHEM SOC DALTON TRANS, vol. 12, 1991, pages 3259-3262, XP002150051 page 3259	9
X	--- MALEK ET AL: "Potentially heptadentate ligands..." SYNTH INORG MET ORG CHEM, vol. 9, 1979, pages 145-153, XP000956016 page 145 -page 153	9
A	--- GB 2 307 250 A (CIBA GEIGY AG) 21 May 1997 (1997-05-21) example 6 claim 1	1-21
A	--- DE 197 21 886 A (HENKEL KGAA) 3 December 1998 (1998-12-03) claims 1-9	1-21
A	--- EP 0 717 103 A (CIBA GEIGY AG) 19 June 1996 (1996-06-19) example 11 claims 1-15	1-21
	--- -/--	

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 00/06420

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 741 920 A (REINEHR DIETER ET AL) 21 April 1998 (1998-04-21) column 1, line 7 -column 2, line 67 -----	1-21

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 00/06420

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
JP 11050096	A	23-02-1999	NONE	
GB 2307250	A	21-05-1997	AU 7564596 A WO 9719162 A EP 1021516 A JP 2000500518 T	11-06-1997 29-05-1997 26-07-2000 18-01-2000
DE 19721886	A	03-12-1998	WO 9854282 A EP 0985019 A	03-12-1998 15-03-2000
EP 0717103	A	19-06-1996	AU 699655 B AU 4046295 A BR 9505910 A CA 2165128 A GB 2296015 A JP 8231987 A US 5733341 A	10-12-1998 20-06-1996 23-12-1997 16-06-1996 19-06-1996 10-09-1996 31-03-1998
US 5741920	A	21-04-1998	AT 169330 T AU 671739 B AU 6481794 A BR 9402452 A CA 2126167 A DE 69412188 D DE 69412188 T EP 0630964 A ES 2121174 T GB 2279074 A,B JP 7026291 A US 5462564 A	15-08-1998 05-09-1996 22-12-1994 24-01-1995 20-12-1994 10-09-1998 11-03-1999 28-12-1994 16-11-1998 21-12-1994 27-01-1995 31-10-1995

REC'D 31 MAY 2001

WIPO PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

14

Applicant's or agent's file reference HF/2-22049/A	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/EP00/06420	International filing date (day/month/year) 06/07/2000	Priority date (day/month/year) 14/07/1999
International Patent Classification (IPC) or national classification and IPC C11D3/395		
Applicant CIBA SPECIALTY CHEMICALS HOLDING INC.		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.



2. This REPORT consists of a total of 7 sheets, including this cover sheet.

- ☐ This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of sheets.

3. This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☐ Certain defects in the international application
- VIII ☒ Certain observations on the international application

Date of submission of the demand 25/01/2001	Date of completion of this report 29.05.2001
Name and mailing address of the international preliminary examining authority:  European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465	Authorized officer Yon, J-M Telephone No. +49 89 2399 7535 

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/EP00/06420

I. Basis of the report

1. With regard to the **elements** of the international application (*Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)*):

Description, pages:

1-28 as originally filed

Claims, No.:

1-21 as originally filed

2. With regard to the **language**, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language: , which is:

- ☐ the language of a translation furnished for the purposes of the international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of a translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. The amendments have resulted in the cancellation of:

- ☐ the description, pages:
- ☐ the claims, Nos.:
- ☐ the drawings, sheets:

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)):

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/EP00/06420

(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)

6. Additional observations, if necessary:

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Yes:	Claims	1-7,10-21
	No:	Claims	8,9
Inventive step (IS)	Yes:	Claims	
	No:	Claims	1-21
Industrial applicability (IA)	Yes:	Claims	1-21
	No:	Claims	

2. Citations and explanations
see separate sheet

VIII. Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:
see separate sheet

1. Reference is made to the following documents from the search report :

- D1:** CHEMICAL ABSTRACTS, vol. 130, no. 15, 1999 Columbus, Ohio, US; abstract no. 198180, OKANO ET AL: 'Granular bleaching detergent compositions' XP002150052 & JP 11 050096 A (LION CORP) 23 February 1999 (1999-02-23)
- D2:** GB-A-2 307 250 (CIBA GEIGY AG) 21 May 1997 (1997-05-21)
- D3:** DE 197 21 886 A (HENKEL KGAA) 3 December 1998 (1998-12-03)
- D4:** EP-A-0 717 103 (CIBA GEIGY AG) 19 June 1996 (1996-06-19)
- D5:** US-A-5 741 920 (REINEHR DIETER ET AL) 21 April 1998 (1998-04-21)
- D6:** CHANDRA S ET AL: 'Mono- and Tetranuclear Manganese (III) Complexes of Tripodal Tris[2-(salicylideneamino)ethyl]amines' JOURNAL OF THE CHEMICAL SOCIETY, DALTON TRANSACTIONS, GB, CHEMICAL SOCIETY. LETCHWORTH, vol. 6, no. 6, 1993, pages 863-869, XP002125706 ISSN: 0300-9246 cited in the application
- D7:** CARAVAN P ET AL: 'Potentiometric, calorimetric, and solution NMR Studies of a tridentate Ligand...' J AMER CHEM SOC, vol. 117, no. 45, 1995, pages 11230-11238, XP002150049
- D8:** LIU S ET AL: 'Synthesis and characterization of Lanthanide [Ln(L)]₂ complexes of N₄O₃ amine phenol ligands...' J AMER CHEM SOC, vol. 114, 1992, pages 6081-6087, XP002150050
- D9:** RAMESH J ET AL: 'Vanadium(III) complexes...' J CHEM SOC DALTON TRANS, vol. 12, 1991, pages 3259-3262, XP002150051
- D10:** MALEK ET AL: 'Potentially heptadentate ligands..' SYNTH INORG MET ORG CHEM, vol. 9, 1979, pages 145-153, XP000956016

Re Item V

Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

2. Novelty (Article 33(2) PCT)

2.1 **D1** discloses, under the form of a generic formula, ligands which appear to be the same compounds as the ones of the present application (claim 9). It also discloses a bleaching detergent composition comprising hydrogen peroxide, non ionic surfactants and said ligands.

Hence, on the basis of the Japanese abstract, **D1** would appear to detract from the novelty of claim 9 of the present application. Moreover, said document may additionally disclose some metal complexes prepared from said ligands and may therefore be relevant when considering the novelty of claims 12, 18 and 19. For the purpose of checking the potential existence of this information, the applicant is requested to provide a full translation of the Japanese document **D1**.

2.2 **D2** discloses (abstract) the tripodal tris(2-(salicylideneamino)ethyl)amine ligands and their manganese(III) complexes.

2.3 **D3, D4, D5** and **D6** disclose the synthesis of tris (salicylideneamino)ethyl)amine (H3saltren) and derivatives thereof such as H3-5-Cl-saltren. **D6** additionally discloses (abstract) the Fe (III) complexes of H3-3,5-Cl-saltren.

Documents **D2, D3, D4, D5** and **D6** would therefore appear to detract from the novelty of claims 9 and 8 of the present application.

3. Inventive step (Article 33(3) PCT)

3.1 In view of the documents **D7, D8, D9** and **D10** cited in the international search report,

the metal complexes claimed in the present application can be considered as alternative compounds since they have a similar chemical structure. Therefore, the man skilled in the art would expect a similar behaviour for said complexes and consequently similar properties.

For said reason, claims 1 to 4 and 7 do not satisfy the criterion set forth in Article 33(3) PCT.

3.2 Documents **D7** (examples 7 and 8, page 14) and **D9** (claim 15) disclose aqueous or non-aqueous detergent compositions comprising a bleach agent, a metal complex, surfactants and detergent builders. The present application differs therefrom in the nature of the metal complex. The applicant has not provided any comparative data showing an unexpected effect or an advantage.

Therefore, claims 12, 18 to 20 do not meet the requirement of article 33(3) PCT.

Moreover, and starting from a general knowledge on the properties of certain metal complexes on dirt and dyes in wash liquors, the man skilled in the art, would obviously try to use the metal complexes of the present applications for washing, cleaning and disinfecting applications.

Therefore, and in the absence of comparative data showing an unexpected effect or advantage, claims 5, 6, 13, 14, 16, 17 and 21 do not meet the requirement of Article 33(3) PCT.

3.3 **D10** discloses (abstract and column 1, lines 20 to 26) a process for inhibiting the re-absorption of migrating dyes in a wash liquor which is very similar to the one of claims 10 and 11 of the present application. The difference resides in the nature of the metal complex.

Since the applicant has not shown any comparative data showing an unexpected effect or advantage, an inventive step can not be recognized to the subject-matter of claims 10 and 11 (Article 33(3) PCT).

**INTERNATIONAL PRELIMINARY
EXAMINATION REPORT - SEPARATE SHEET**

International application No. PCT/EP00/06420

Re Item VIII

Certain observations on the international application

4. For a purpose of clarity (Art. 6 PCT), the applicant has not adopted a more logical order for the set of claims of the present application ; that is to say, starting with the broadest claims and having grouped together all dependent claims referring back to a single previous claim.

PATENT COOPERATION TREATY

1C

From the INTERNATIONAL BUREAU

PCT

NOTICE INFORMING THE APPLICANT OF THE
COMMUNICATION OF THE INTERNATIONAL
APPLICATION TO THE DESIGNATED OFFICES

(PCT Rule 47.1(c), first sentence)

To:

CIBA SPECIALTY CHEMICALS HOLDING
INC.

Patentabteilung

Klybeckstrasse 41

CH-4057 Basel

SUISSE

Hessort P/TM/Sl LE 5

02 Feb. 2001

DATA

PATH

SES

TSu

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Date of mailing (day/month/year)

25 January 2001 (25.01.01)

Applicant's or agent's file reference

HF/2-22049/A

IMPORTANT NOTICE

International application No.

PCT/EP00/06420

International filing date (day/month/year)

06 July 2000 (06.07.00)

Priority date (day/month/year)

14 July 1999 (14.07.99)

Applicant

CIBA SPECIALTY CHEMICALS HOLDING INC. et al

(-EP/p1)

1. Notice is hereby given that the International Bureau has communicated, as provided in Article 20, the international application to the following designated Offices on the date indicated above as the date of mailing of this Notice:
AU, KP, KR, US

In accordance with Rule 47.1(c), third sentence, those Offices will accept the present Notice as conclusive evidence that the communication of the international application has duly taken place on the date of mailing indicated above and no copy of the international application is required to be furnished by the applicant to the designated Office(s).

2. The following designated Offices have waived the requirement for such a communication at this time:

AE, AG, AL, AM, AP, AT, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EA, EE, EP, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OA, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU.
The communication will be made to those Offices only upon their request. Furthermore, those Offices do not require the applicant to furnish a copy of the international application (Rule 49.1(a-bis)).

3. Enclosed with this Notice is a copy of the international application as published by the International Bureau on
25 January 2001 (25.01.01) under No. WO 01/05925

REMINDER REGARDING CHAPTER II (Article 31(2)(a) and Rule 54.2)

If the applicant wishes to postpone entry into the national phase until 30 months (or later in some Offices) from the priority date, a demand for international preliminary examination must be filed with the competent International Preliminary Examining Authority before the expiration of 19 months from the priority date.

It is the applicant's sole responsibility to monitor the 19-month time limit.

Note that only an applicant who is a national or resident of a PCT Contracting State which is bound by Chapter II has the right to file a demand for international preliminary examination.

REMINDER REGARDING ENTRY INTO THE NATIONAL PHASE (Article 22 or 39(1))

If the applicant wishes to proceed with the international application in the national phase, he must, within 20 months or 30 months, or later in some Offices, perform the acts referred to therein before each designated or elected Office.

For further important information on the time limits and acts to be performed for entering the national phase, see the Annex to Form PCT/IB/301 (Notification of Receipt of Record Copy) and Volume II of the PCT Applicant's Guide.

The International Bureau of WIPO
34, chemin des Lombettes
1211 Geneva 20, Switzerland

Facsimile No. (41-22) 740.14.35

Authorized officer

J. Zahra

Telephone No. (41-22) 338.83.38

INTERNATIONAL SEARCH REPORT

International Application No
PCT/JP00/06420

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C11D3/395 C11D3/16 C07C251/24 C11D3/39

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C11D C07C D06L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, CHEM ABS Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	CHEMICAL ABSTRACTS, vol. 130, no. 15, 1999 Columbus, Ohio, US; abstract no. 198180, OKANO ET AL: "Granular bleaching detergent compositions" XP002150052	1-5, 7-10, 12-20
A X	abstract & JP 11 050096 A (LION CORP) 23 February 1999 (1999-02-23) examples 20,24 --- -/--	6,11,21 1-5, 7-10, 12-20



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

13 October 2000

Date of mailing of the international search report

30/10/2000

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Richards, M

INTERNATIONAL SEARCH REPORT

Intern: 1st Application No

PCT/EP 00/06420

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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MITTEILUNG

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Wenn zutreffend, Kopien der im Recherchenbericht aufgeführten Schriften sind beigelegt.

☐ Zusätzliche Kopie(n) der im europäischen Recherchenbericht angeführten Schriftstücke sind beigelegt.

Die folgenden Angaben des Anmelders wurden von der Recherchenabteilung genehmigt:

☒ Zusammenfassung ☒ Bezeichnung

☐ Die Zusammenfassung wurde von der Recherchenabteilung abgeändert und der endgültige Wortlaut ist dieser Mitteilung beigelegt.

Die folgende Abbildung wird mit der Zusammenfassung veröffentlicht: KEINE



RÜCKERSTATTUNG DER RECHERCHEGEBÜHR

Falls Artikel 10 der Gebührenordnung in Anwendung kommt, ergeht noch eine gesonderte Mitteilung der Eingangsstelle hinsichtlich der Rückerstattung der Recherchegebühr.



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